
Product Data Sheet

Product Name: DPP4 Protein

Cat. No.: GP21570

Batch No.: 1

Product Data

Purity	>98%	Source	Human Placenta.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	DPP-IV; DPP-IV; DPP4; DPP-4; Dipeptidyl Peptidase-IV; Dipeptidyl Peptidase-4; CD26; adenosine deaminase complexing protein 2; Dipeptidylpeptidase-IV; CD-26; ADABP; ADCP2; DP-IV; TP103; DP-IV; DP-4; DP4.		
Solubility	Add deionized water to prepare a working stock solution of approximately 0.5mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	Each 70ng were lyophilized from 29.1µl containing 2mM Tris-HCl, pH 8.0.		

Introduction

Group IB secretory phospholipase A2 (sPLA2-IB) mediates cell proliferation, cell migration, hormone release and eicosanoid production via its receptor in peripheral tissues. In the CNS, high-affinity binding sites of sPLA2-IB have been documented. sPLA2-IB induced neuronal cell death in a concentrationdependent manner depending on PGD2 metabolites, especially Delta12-PGJ2 that might mediate sPLA2-IB-induced apoptosis. The secretory PLA2 (sPLA2) family, in which 10 isozymes have been identified, consists of lowmolecular weight, Ca²⁺-requiring secretory enzymes that have been implicated in a number of biological processes, such as modification of eicosanoid generation, inflammation, and host defense.

Biological Activity

One unit is defined as the amount of enzyme which will hydrolyze 1µm of H-Gly-Pro-pNA per 1min at 25°C , pH 7.8.

Caution: Product has not been fully validated for medical applications. For research use only.

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Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Background

Dipeptidyl Peptidase-IV was purified from human placenta cells.

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